



techventive.io
US Engineering Studio

Cohort enrolling now

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DEVOPS ENGINEERING BOOTCAMP

DevOps *Engineering*

6 weeks · All Levels (Beginner+ to Intermediate) · live + recorded

A hands-on, production-grade DevOps curriculum covering software delivery, Linux, Git, containers, CI/CD, Kubernetes, build automation, configuration management, Infrastructure as Code, monitoring, and career readiness — delivered by senior US-based engineers who ship the same stack you'll learn.

10

CORE MODULES

35+

PRACTICAL SKILLS

5+

PROJECT TRACKS

1:1

CAREER SUPPORT

The *production stack* you'll master

Each tool taught with the workflows and failure modes practitioners actually meet on the job.

01

Linux

Hardened Linux + scripting

02

Git

GitHub workflows

03
Docker
Containers & images

04
Jenkins
CI/CD pipelines

05
Kubernetes
Orchestration at scale

06
Maven
JVM build tool

07
Ansible
Config management

08
Terraform
Infra-as-code

09
Prometheus
Metrics & alerting

10
Grafana
Dashboards & SLOs

Foundation *modules*

First half of the curriculum — core fundamentals and the most common day-to-day skills.

01

Introduction to DevOps

Software development, SDLC, traditional models, why DevOps, the lifecycle, core tools, and cloud computing basics.

02

Linux & Scripting

Linux basics, server management, networking, Bash scripting — variables, conditions, loops, and admin task automation.

03

Version Control

Git features, three-tree architecture, clone, commit, push, GitHub projects, rebase, merge, stash, reset, and pull workflows.



Docker Containers

Docker fundamentals, containers, images, distribution, environment variables, layers, networking, storage, and Compose.



Jenkins CI/CD

Jenkins architecture, first jobs, GitHub builds, DSL, pipelines, artifacts, notifications, credentials, and CI/CD pipeline builds.

Freshers

Build a practical path into IT, DevOps, and cloud operations.

Professionals

Add automation, CI/CD, and infrastructure to your existing profile.

Career Switchers

Move from non-IT or adjacent roles into technical job-readiness.

Job Seekers

Prepare projects, interviews, GitHub, and résumé talking points.

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Advanced *modules*

Second half – production patterns, real-world operations, and the senior-level depth.

06

Kubernetes

Minikube setup, architecture, pods, YAML, ReplicationController, ReplicaSet, deployments, services, namespaces, and quotas.

07

Kubernetes Operations

Env vars, ConfigMaps, Secrets, PersistentVolumes, PVCs, StorageClasses, taints, tolerations, affinity, Jobs, and DaemonSets.

08

Maven Build Tool

Maven installation, build requirements, pom.xml, lifecycle, local/global repos, group ID, artifact ID, snapshots, dependencies.

09

Ansible

Ansible intro, ad hoc commands, modules, YAML, playbooks, continuous delivery and configuration management with Jenkins + Ansible.

Terraform & IaC

Infrastructure as Code, Terraform infra management, reusable modules, IaC in CI/CD, automated deployments, and best practices.

🔑 Hands-on project outcomes

- Build and deploy containerised applications with Docker.
- Create Jenkins CI/CD pipelines connected to GitHub.
- Package Maven applications and manage build artifacts.
- Deploy workloads on Kubernetes with YAML manifests.
- Automate delivery and configuration using Jenkins + Ansible.
- Provision repeatable infrastructure using Terraform modules.
- Apply monitoring concepts with Prometheus and Grafana.
- Document GitHub projects for portfolio and interview use.

🎓 Course learnings

- Kubernetes orchestration for cloud-native applications.
- Container-based application structure and delivery.
- Automated CI/CD software delivery pipelines.
- DevOps culture, collaboration, and communication.
- Jenkins plugin integration with development tools.
- Automation practices that reduce manual errors.

Career readiness, *built in.*

techventive.io turns this curriculum into job-ready positioning — project explanation, résumé and LinkedIn rewrites, GitHub portfolio polish, technical interview preparation, and placement-focused guidance through to the offer letter.

DevOps Engineer

Cloud Engineer

Automation Engineer

Site Reliability Engineer

AWS DevOps Consultant

DevOps Lead

Who can *apply*

Freshers, working professionals, managers, career switchers, and aspirants who want a practical, job-focused path.

Freshers

Professionals

Career Switchers

Job Seekers

Start your DevOps Engineering journey with techventive.io.

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